Claims

- 1. A screening tool for an agent for treating renal failure, which is a polypeptide consisting of the amino acid sequence represented by SEQ ID NO:2, or a polypeptide comprising an amino acid sequence represented by SEQ ID NO:2 in which from 1 to 10 amino acids are deleted, substituted and/or inserted and which is capable of activating CTGF promoter.
- 2. The screening tool for an agent for treating renal failure, which is a cell expressing the polypeptide described in claim 1.
- 3. A method for detecting whether or not a test compound is an inverse agonist, which comprises
- a step of allowing the cell described in claim 2 coexpressing a chimeric G protein in which C-terminal amino
 acid sequence is the amino acid sequence represented by SEQ
 ID NO:16, and which is a chimera of a partial polypeptide
 having promoting activity of phospholipase C activity of a
 phospholipase C activity-promoting G protein with a partial
 polypeptide having a Gi receptor coupling activity, to
 contact with a test compound, and
- a step of analyzing a change in activity of the polypeptide described in claim 1 in said cell.

- 4. A method for screening an agent for treating renal failure, which comprises
- a step of allowing the cell described in claim 2 coexpressing a chimeric G-protein in which C-terminal amino
 acid sequence is the amino acid sequence represented by SEQ
 ID NO:16, and which is a chimera of a partial polypeptide
 having promoting activity of phospholipase C activity of a
 phospholipase C activity-promoting G protein with a partial
 polypeptide having a Gi receptor coupling activity, to
 contact with a test compound, and
- a step of analyzing a change in activity of the polypeptide described in claim 1 in said cell.
- 5. A method for screening a substance inhibiting expression of CTGF, which comprises
- a step of allowing the cell described in claim 2
 expressing the DNA of SEQ ID NO:13 having a reporter gene
 in downstream to contact with a test compound, and
- a step of measuring the reporter activity in said cell.
- 6. The screening method according to claim 5, wherein the substance inhibiting expression of CTGF is an agent for treating renal failure.
 - 7. A method for screening an agent for treating renal

failure, which comprises

a step of allowing the cell described in claim 2 expressing the DNA of SEQ ID NO:14 having a reporter gene in downstream to contact with a test compound, and

a step of measuring the reporter activity in said cell.

- 8. A pharmaceutical composition for treating renal failure, which comprises an inverse agonist for the polypeptide described in claim 1.
- 9. A pharmaceutical composition for treating renal failure, which comprises a substance obtainable by the method according to one of claim 4 to claim 7.
- 10. A method for producing a pharmaceutical composition for treating renal failure, which comprises
- a step of screening using the method according to one of claim 4 to claim 7, and
- a step of preparing a pharmaceutical composition using a substance obtained by said screening.
- 11. A method for treating renal failure, which comprises administering an effective amount of an inverse agonist for the polypeptide described in claim 1 and/or a substance obtaiable by the method according to one of claim

4 to claim 7 to a subject in need of the treatment of renal failure.

12. Use of an inverse agonist for the polypeptide described in claim 1 and/or a substance obtainable by the method according to one of claim 4 to claim 7 for the manufacture of a pharmaceutical composition for treating renal failure.